

**Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Department of Energy Resources**

RENEWABLE ENERGY PORTFOLIO STANDARD (RPS), CLASS II

RPS CLASS II

STATEMENT OF QUALIFICATION APPLICATION (SQA)

JUNE 26, 2009, EDITION

Pursuant to the Renewable Energy Portfolio Standard - Class II Regulation at 225 CMR 15.00

INSTRUCTIONS

AUTHORITY

The RPS Class II Statement of Qualification Application implements the RPS Class II Regulation, 225 CMR 15.00. The Statement of Qualification Application form and instructions constitute a portion of the RPS Guidelines, as “Guidelines” is defined in 225 CMR 15.02.

APPLICATION EDITION

Please be certain that you are using the most current version of the Statement of Qualification Application (“SQA”) form and instructions posted at the RPS section of the DOER web site, accessible via <http://www.mass.gov/doer/>.

GENERAL INSTRUCTIONS & NOTICES

- If you find that information required does not fit into the space provided in the SQA form, you may provide the information in an attachment and *reference* that attachment in the space provided.
- Please send as many attachments by email as possible.
- Please indicate on each attachment the subsection and item of the Application to which the attached information pertains.
- Please enter the name of the Generation Unit on every page of the SQA, as well as any attachment, letter, or other document that is submitted to the Department as hard copy.
- “Department” and “DOER” refer to the Massachusetts Department of Energy Resources; “MassDEP” refers to the Massachusetts Department of Environmental Protection.
- All capitalized terms are defined either at 225 CMR 15.00, or in the NEPOOL GIS Operating Rules (available via www.nepoolgis.com), or within the Application form itself.
- All information submitted in or attached to the Application, including all correspondence and all supplementary information submitted after the original filing of the Application, is considered to be a public record.
- The Department will notify the Authorized Representative if the Application is incomplete, and the Department may request additional information and documentation that it deems necessary.
- Once the Department finds the Application to be administratively complete, it will notify the applicant, and may post this finding at the RPS section of the DOER web site, <http://www.mass.gov/doer/>.
- Pursuant to 225 CMR 15.06(3)(c), the Department will provide written notice to the Authorized Representative if the Generation Unit does not meet the requirements for eligibility as an RPS Class II Renewable Generation Unit.
- The Department will post notice of all approved Applications at the RPS section of its web site.
- Keep a copy of the completed Application, with all appendices and attachments, for your records.

APPENDICES

There are six appendices to the Application, lettered A through F. Appendices A through D correspond with several provisions and waivers in 225 CMR 15.05, while E and F relate to the authority of the Authorized Representative. You **must** complete all applicable appendices, but any hard copy submittals should **omit** appendices that do not apply.

CAPACITY OBLIGATION

The generation capacity of **all** Generation Units that use this Application and receive a Statement of Qualification under the RPS Class II regulations are required to comply with the Capacity Obligation provisions in 225 CMR 15.05(1)(e), as also noted in Section II.9 of this Application. Accordingly, all Applicants must read and complete Appendix A.

AUTHORIZED SIGNATURE

The Application shall be certified in Section IV by the signature of the Authorized Representative of the Applicant as to the veracity of all statements of fact therein, including all appendices and attachments. Such signature also signifies that the Applicant has read and understands the certification required pursuant to 225 CMR 15.10(1)(c).

If the Applicant and/or the Authorized Representative is not the Owner or Operator of the Generation Unit, then the Application must include documentation satisfactory to the Department that the Applicant and/or the Authorized Representative has been authorized to represent the Owner or Operator and/or to certify the Application. At a minimum, such documentation must include the Certification of the Authorized Representative required in Section IV of the Application identifying both the name and the entity of the Authorized Representative; however, if that Certification identifies only the entity, then such entity must, in turn, provide a Certification of the individual named as its Authorized Representative.

In the case of an Aggregation, the Authorized Agent of the Aggregation, as defined in 225 CMR 15.05(6)(b), shall be the Applicant and, if an individual, such person shall designate the Authorized Representative.

PUBLIC COMMENTS

Pursuant to 225 CMR 15.06(2)(b), the Department may, in its sole discretion, provide a period of appropriate duration for public comments on a Statement of Qualification Application. During this period, the public may comment on the pending Application by e-mail. Please note that this procedure for public comment is not subject to the Massachusetts Administrative Procedures Act (M.G.L. c. 30A).

APPLICATION SUBMISSION

Please send the completed Application, including *all* required appendices and attachments, to the following address:

Department of Energy Resources
100 Cambridge Street, Suite 1020
Boston, Massachusetts 02114
Attn: RPS Class II Statement of Qualification Mailbox

QUESTIONS

Questions related to the Statement of Qualification Application should be directed to the RPS Program Manager at DOER.RPS@state.ma.us or at (617) 626-7355.

DOER Use Only

Date Received: _____

Date Complete: _____

Date Approved: _____

Generation Unit Name

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Department of Energy Resources

RENEWABLE ENERGY PORTFOLIO STANDARD (RPS), CLASS II

RPS CLASS II

STATEMENT OF QUALIFICATION APPLICATION

JUNE 26, 2009, EDITION

Pursuant to the Renewable Energy Portfolio Standard - Class II Regulation at 225 CMR 15.00

SECTION I. APPLICANT INFORMATION & APPENDIX CHECKLIST

*Complete all **five** subsections in Section. Enter "same as X" wherever applicable in subsections 1-4.*

1. Applicant and Contact Person

- Name of the entity that is applying for a Statement of Qualification for the Generation Unit _____
- Contact person's name _____
- Title _____
 - E-mail address _____
 - Telephone number _____
 - Mobile phone number [optional] _____
 - FAX number _____
- Postal address _____
- Applying entity's webpage URL, if any _____
- Organization type [corp., coop, partnership, individual, etc.] _____

2. Generation Unit Owner

- Name of the entity that owns the Generation Unit _____
- Contact person's name _____
- Title _____
 - E-mail address _____
 - Telephone number _____
 - FAX number _____
- Postal address _____
- Owning entity's webpage URL, if any _____
- Organization type [corp., coop, partnership, individual, etc.] _____

3. Authorized Representative of the Entity that is the Owner of the Renewable Generation Attributes of the Generation Unit

- Name of the entity that owns the Renewable Generation Attributes of the Unit _____
- Authorized Representative's Name _____
 - Title _____
 - E-mail address _____
 - Telephone number _____
 - FAX number _____
- Postal address _____
- This entity's webpage URL, if any _____
- Organization type [*corp., coop, partnership, individual, etc.*] _____

4. Generation Unit Operator

- Name of the entity that operates the Generation Unit _____
- Contact person's name _____
 - Title _____
 - E-mail address _____
 - Telephone number _____
 - FAX number _____
- Postal address _____
- _____
- Operating entity's webpage URL, if any _____
- Organization type [*corp., coop, partnership, individual, etc.*] _____

5. Appendices [*Check the Appendices that are included with this Application*]

- ☐ **A.** Capacity Obligation
- ☐ **B.** Co-firing and Blended Fuels Waiver
- ☐ **C.** Special Provisions for a Generation Unit Located in a Control Area adjacent to the ISO-NE Control Area
- ☐ **D.** Special Provisions for Generation Units Whose Output Is *NOT* Monitored & Reported by ISO-NE, Including All Aggregations, All Behind-the-Meter & Off-grid Units, and Some Others
- ☐ **E.** Certification of Authorized Representative When the Owner or Operator is an Individual
- ☐ **F.** Certification of Authorized Representative when the Owner or Operator is a Non-Corporate Entity Other Than an Individual

Name of the Generation Unit

SECTION II. GENERATION UNIT INFORMATION

Complete all nine categories in Section II.

1. Identification of the Generation Unit

Name: _____

Unit ID – *Complete all or state if the information is pending, not yet applied for, or not applicable.*

NEPOOL GIS generation asset ID #: _____

NEPOOL GIS plant name - unit: _____

NEPOOL GIS account holder: _____

Webpage URL of the Generation Unit (if any): _____

2. Nameplate Capacity of the Generation Unit: _____ MW [For a PV array, use DC.]

3. Renewable Fuel, Energy Resource, or Technology of the Generation Unit

Check only one box, and complete the corresponding section within Section III.

☐ Solar photovoltaic

☐ Solar thermal electric energy

☐ Wind energy

☐ Geothermal electric

☐ Landfill methane gas

☐ Marine or Hydrokinetic (including Ocean Thermal), but not Hydroelectric¹

☐ Fuel cells using an Eligible RPS Class I Renewable Fuel

☐ Hydroelectric energy

☐ Biomass, using a low-emission, biomass power conversion technology

☐ Waste to Energy

4. Commercial Operation Date of the Generation Unit at its current or past location

Check the appropriate box below, and provide the required information.

☐ Commercial Operation Date of the Unit at its current location, which is the only location within the ISO New England Control Area or Control Areas adjacent thereto where the Unit has operated:

☐ If the Unit has been moved to its current location from another location within the ISO New England Control Area or from a Control Area adjacent thereto, where its Commercial Operation Date is on or before December 31, 1997, enter the name and address of that location:

_____,
and the Commercial Operation Date of the Unit at that location: _____.

NOTE that the Commercial Operation Date must be on or before December 31, 1997, in order for the Unit to qualify for RPS Class II. If the date is later, the Generation Unit might be eligible for RPS Class I, for which a different SQA is to be used. For more guidance, contact the PRS Program Manager.

¹ If you are uncertain as to whether this facility should be regarded as using Hydroelectric Energy or as using Hydrokinetic Energy, contact the RPS Program Manager before proceeding.

Name of the Generation Unit

5. Control Area Location of the Generation Unit

- ☐ In the ISO-NE Control Area, in the following state: _____
- ☐ In the following adjacent Control Area:
- ☐ NY ISO
- ☐ Québec
- ☐ New Brunswick, in the following province: _____

*If you check the second box (for an adjacent Control Area), complete **Appendix C**.*

6. Street Address and Navigational Coordinates of the Generation Unit

- a. **Street address** of the Unit [number, road, municipality/township, county, state/province, zip/postal code]: _____

- b. **Navigational coordinates** – Enter latitude & longitude. _____ N, _____ W

7. Metering of the Generation Unit

How will the electricity output of the Unit be reported to the NEPOOL GIS?

- ☐ By the ISO-NE, since **either** (a) the Unit's output is monitored by ISO-NE (for "MSS" units in the NEPOOL GIS) **or** (b) the Unit is located outside of the ISO-NE Control Area, and its imported output is monitored by ISO-NE at the output's point of entry into the ISO-NE Control Area (for "IMP" units in the NEPOOL GIS).
- ☐ By means of by a Third Party Meter Reader, as defined in Rule 2.5(j) of the NEPOOL GIS Operating Rules, or any successor rule, and approved by the Department (for "NON" units in the NEPOOL GIS). .

*If you check this box, then complete section 2 of **Appendix D**.*

8. Aggregations

Does this Application cover more than one Generation Unit, each of which is located behind the meter of a retail electricity customer or is an Off-grid Generation Unit?

- ☐ No
- ☐ Yes – *If you check this box, then complete both sections of **Appendix D**.*

9. Capacity Obligation

***All** Applicants must complete **Appendix A**, pertaining to Capacity Obligation, as provided in 225 CMR 15.05(1)(e). Acknowledge that you have completed and understand **Appendix A** by checking both of the following boxes.*

- ☐ I have read, and I understand, both sections of **Appendix A**.
- ☐ I have completed section 1 of **Appendix A**.

Name of the Generation Unit

SECTION III. GENERATION UNIT TECHNICAL DETAILS

Check only one of the numbered boxes in Section III. Under that one selected box, answer all questions, and provide all information that pertains to your answers.

***Submit only the page(s) of Section III that pertain to the Generation Unit.
Omit the other pages of Section III.***

1. ☐ **Solar photovoltaic**

Equipment and type of site: _____

► *Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.*

2. ☐ **Solar thermal electric energy**

Equipment and type of site: _____

► *Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.*

3. ☐ **Wind energy**

Number of turbines: _____

MW capacity per turbine: _____

Make & model of turbine(s), and type of site: _____

► *Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.*

4. ☐ **Geothermal energy**

Equipment and type of site: _____

► *Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.*

Name of the Generation Unit

SECTION III. GENERATION UNIT TECHNICAL DETAILS

5. ☐ **Landfill methane gas**

- a. List all of the generators at this Generation Unit; and identify the type, nameplate capacity, and date of initial operation for each of them. If any of the generators previously operated at a different site, identify the location and initial operation at that site. _____

- b. Check one or the other of the following two boxes, and provide the required details:

- ☐ The Unit is located at or near the landfill from which the gas is collected, and that gas is conveyed from the landfill to the Unit **without** the use of a common carrier of natural gas.
– If you check this box, then provide the name of the landfill and of the entity from which you purchase the gas, as well as the nature of your relationship with that entity.

- c. Is the landfill methane gas being (or to be) used in the same Generation **Unit** as an ineligible fuel, such as natural gas, whether co-fired or as a blended fuel?

- ☐ No
☐ Yes – If you check this box, complete Appendix B.

d. **Capacity Obligation**

► Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.

6. ☐ **Marine or Hydrokinetic**

Identify the type of energy and location, describe the technology, & calculate the Capacity Factor:

- a. ☐ **Marine kinetic** – Identify the type of energy, location, and technology.

Type of energy: ☐ Wave
☐ Current
☐ Tidal

Type & name of location: ☐ Atlantic Ocean: _____
☐ Estuary: _____
☐ Other [identify]: _____

Technology name – ATTACH a description]: _____

- b. ☐ **Freshwater Hydrokinetic, but not Hydroelectric Energy²**

Identify the type and enter the name of the Unit's location.

☐ River or stream: _____
☐ Lake: _____
☐ Human-made, open channel: _____
☐ Human-made, enclosed conduit: _____

Technology name – [ATTACH a description]: _____

² If you are uncertain as to whether this facility should be regarded as using Hydroelectric Energy or as using Hydrokinetic Energy, contact the RPS Program Manager before proceeding.

Name of the Generation Unit

SECTION III. GENERATION UNIT TECHNICAL DETAILS

6. ☐ **Marine or Hydrokinetic** (continued)

c. ☐ **Ocean thermal:** Location: _____
Technology name – [ATTACH a description]: _____

d. **Capacity Factor**

Enter the Capacity Factor of the Unit, expressed as a percentage (to one decimal place) of (a) the annual electricity output to (b) the potential output if the Unit, assuming for “potential output” that the Unit is able to operate 24/7 every day of the year at the full rated capacity of all turbines in the Unit minus any immediate parasitic load: _____.

*ATTACH documentation of that figure, including all actual data and all assumptions, based on an average of the five years of generation ending on December 31, 1997, or, if those five years of operational data are not available, use whatever relevant data **are** available (EXPLAIN) and provide a detailed engineering estimate of a five-year average under normal conditions for the body of water where the Unit is or would be sited.*

► Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.

7. ☐ **Fuel cells using an Eligible RPS Class II Renewable Fuel**

a. **Technology of the Fuel Cell**

Name and describe the type, make, and model of the fuel cell(s). _____

b. **Fuel used in the Fuel Cell**

☐ Eligible biomass fuel – *Identify the fuel and the feedstock, if any, from which derived.*

☐ Landfill methane – *Identify the source of the fuel by landfill(s) name(s) and location(s).*

☐ Hydrogen derived from the following:

☐ Eligible biomass fuel – *Identify the fuel and the feedstock, if any, from which derived.*

☐ Landfill methane – *Identify the source(s) of the fuel by name and location.*

☐ Water – *Provide information about where and by what technology the hydrogen was derived from water.*

▪ *Identify technology type used:* _____

▪ *If the process uses electricity, identify the electricity source – which **must** be a Renewable Generation Unit – by name, location, NEPOOL GIS number (if any), and (if applicable) RPS qualification status:* _____

▪ **NOTE** that if the Generation Unit is qualified for RPS or the equivalent, the Owner or Operator of the Unit must retire rather than sell the RECs representing the portion of the electrical energy output of the Unit that is used to derive from water the hydrogen used in the fuel cell.

c. **Capacity Obligation**

► Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.

Name of the Generation Unit

SECTION III. GENERATION UNIT TECHNICAL DETAILS

8. ☐ **Hydroelectric Energy**

- a. **General eligibility:** Check both of the following boxes, by which you acknowledge two of the general eligibility criteria for Hydroelectric in 225 CMR 15.05(1)(a)6:

- ☐ The Generation Unit does not involve any dam or water diversion structure constructed after December 31, 1997, nor any pumped storage of water.
- ☐ The Generation Unit does not generate Hydrokinetic Energy. – If you are uncertain as to whether this facility should be regarded as using Hydroelectric Energy or as using Hydrokinetic Energy, contact the RPS Program Manager before proceeding.
- ☐ This application for RPS Class II qualification pertains to a Generation Unit whose Commercial Operation Date is on or before December 31, 1997, and whose total nameplate capacity does not exceed 5 MW.

ATTACH a description of the Generation Unit, including a schematic diagram, including other structures and equipment (if any) at the same site..

- b. **Capacity Factor of the Unit:** Enter the Capacity Factor of the Unit, as a percentage (to one decimal place) of annual electricity output to potential output if the Unit were to operate 24/7 every day of the year at the rated capacity of all turbines in the Unit: _____.

ATTACH documentation of that figure, including all actual data and all assumptions, based on an average of the five years of generation ending on December 31, 1997, or, if less than five years operational data ending on that date is available, whatever relevant data is available (EXPLAIN), and provide a detailed engineering estimate of a five-year average under normal conditions for the body of water where the Unit is located..

► Read and complete **Appendix A** of this Application, pertaining to **Capacity Obligation**.

- c. **FERC status of the Unit:**

Enter the date and identification number of the Unit's FERC license:

ATTACH an electronic copy of the FERC license or (preferably) enter here a hyperlink to the license on the Internet: _____

- d. **LIHI status of the Unit:** Enter the date and identification number of the **later** of the following:

- the Unit's application for a certification from the Low Impact Hydropower Institute (LIHI): _____
- the Unit's LIHI certification: _____

ATTACH an electronic copy of one or the other of the following [check one]:

- ☐ LIHI certification, or
- ☐ LIHI's denial of certification and statement of its reasons for the denial

Enter here (if available) a hyperlink (URL) to that certification or denial on the Internet:

ATTACH a list all of the Relevant Hydroelectric Agencies to which notice regarding the LIHI application was sent, and indicate on the list which agencies commented on the application.

ATTACH a copy of such notice of service

If LIHI certification was denied, ATTACH a narrative statement and ATTACH any directly supportive documentation as to the reasons why, the LIHI denial notwithstanding, DOER should grant the Unit a Statement of Qualification.

Name of the Generation Unit

SECTION III. GENERATION UNIT TECHNICAL DETAILS

9. ☐ **Biomass, using a low-emission, biomass power conversion technology**

a. **Technology**

Check all that apply, and identify the sub-type, make, model, and (if known) year of manufacture.

☐ Steam boiler: _____

☐ Stoker: _____

☐ Fluidized-bed: _____

☐ Gas or Combustion turbine: _____

☐ Combined cycle: _____

☐ Internal combustion engine: _____

☐ Anaerobic digester: _____

☐ Other gasifier: _____

☐ Combined Heat & Power (a.k.a., cogeneration) _____

☐ Other: _____

b. **Fuel**

Check all that apply and provide additional details.

☐ Solid woody biomass fuel from forestry and forest products industry. – *Describe fuels and types of sources.* _____

☐ Solid fuel from food, vegetative waste, energy crops, animal or agricultural waste materials or by-products. – *Identify types and sources.* _____

Biomass details are continued on the next page.

Name of the Generation Unit

9. ☐ **Biomass, using a low-emission, advanced biomass power conversion technology**

b. **Fuel (continued)**

- ☐ Anaerobic digester gas or other biogas. – *List feedstock(s) and their sources.* _____

- ☐ Eligible Liquid Biofuel – *Identify feedstock(s) and ATTACH sufficient information to demonstrate that this fuel meets the definition of an Eligible Liquid Biofuel in 225 CMR 15.02, and any Guidelines issued pursuant thereto.* _____

- ☐ Algae – *Describe the form in which used to generate electricity, and ATTACH a description of where and how the fuel is derived from live algae.* _____
- ☐ Co-firing an Eligible Biomass Fuel, as defined in 225 CMR 15.02, with a fuel that is not eligible, or using a Blended Fuel, as defined in 225 CMR 15.02.. – *ATTACH the information required in Appendix B.*

c. **Valid Air Permit**

Check only one of the following three boxes, and provide additional details.

- ☐ The Unit has a Valid Air Permit or an equivalent authorization from [name of agency] _____,
dated _____, and [select one of the following]
☐ the Permit is provided electronically.
☐ a hyperlink to the Permit is provided here: _____
- ☐ The Unit requires, but does not yet have, a Valid Air Permit or an equivalent authorization from this agency: _____
State your plan and timetable for obtaining the Permit. _____

- ☐ The Unit does not require a Valid Air Permit or an equivalent authorization.
Explain why such Permit or equivalent authorization is not required for the Unit. _____

d. **Air Emissions**

Provide the required information.

- NOx emission rate in pounds per MBtu: _____
- PM emission rate in pounds per MBtu: _____
- Check the appropriate box:
 - ☐ Those emission rates are the limits in the Unit's Valid Air Permit or equivalent.
 - ☐ Those emission rates are the Unit's highest monthly average emission limits from the following time period: _____.
 - ☐ Those are modeled emission rates for the Unit, and detailed calculations are attached.

e. **Capacity Obligation**

- *Read and complete Appendix A of this Application, pertaining to Capacity Obligation.*

Name of the Generation Unit

10. ☐ Waste to Energy

a. Check one of the three boxes below, and provide the required information:

- ☐ The Owner/Operator of the Generation Unit submitted to the MassDEP on [enter date] _____ a letter stating its intent to apply for a solid waste facility permit modification under 310 CMR 19.300-303 with regard to the Unit's proposed Class II Recycling Program. An acknowledgement from the MassDEP that it received such letter is [check one circle]
- ☐ attached hereto. [or]
- ☐ shall be provided to DOER no later than July 9, 2009.
- ☐ The Owner/Operator of the Generation Unit shall submit to the MassDEP by June 30, 2009, a letter stating its intent to apply for a solid waste facility permit modification under 310 CMR 19.300-303 with regard to the Unit's proposed Class II Recycling Program. An acknowledgement from the MassDEP that it received such letter will be provided to DOER no later than July 9, 2009.
- ☐ The Owner/Operator of the Generation Unit has received from the MassDEP a solid waste facility permit modification under 310 CMR 19.300-303 with regard to the Unit's proposed Class II Recycling Program. Documentation of the permit modification is attached to this Application.

b. Check all four of the boxes below, by which you acknowledge all of the eligibility criteria for Waste to Energy in 225 CMR 15.05(1)(a)7,

- ☐ The Owner/Operator of the Generation Unit acknowledges that the Unit shall qualify as an RPS Class II Waste Energy Generation Unit, and that the electrical energy output of the Unit (Waste Energy Generation) shall earn NEPOOL GIS Certificates with RPS Class II Waste Energy Generation Attributes, only if and when DOER has accepted documentation that the MassDEP has issued a solid waste facility permit modification under 310 CMR 19.300-303. DOER assures the Applicant that it will establish a mechanism by which the Applicant's GIS Certificates for the quarters in calendar year 2009 prior to issuance of a Statement of Qualification during calendar year 2009 can be recognized as representing RPS Class II Waste Energy Generation Attributes for the purpose of the sale of those Certificates to MA Retail Electricity Suppliers and use by the latter for compliance with the RPS Class II Waste Energy Minimum Standard.
- ☐ The Generation Unit shall maintain its participation in or operation of the Class II Recycling Program approved under 310 CMR 19.300-303 and shall confirm such maintenance by submitting an annual report to the Department and MassDEP of its compliance, in a form and by a schedule to be designated by the MassDEP.
- ☐ The Generation Unit complies with the applicable requirements of 310 CMR 7.08(2) and 310 CMR 19.00.
- ☐ The Owner/Operator of the Generation Unit acknowledges its understanding that the Unit's continued qualification as an RPS Class II Waste Energy Unit shall be contingent on compliance of the Unit with the applicable requirements of 310 CMR 7.08(2) and 310 CMR 19.00, and that DOER may suspend such qualification after its review of information from the MassDEP that the Unit is out of compliance with said regulations, including its solid waste facility permit modification under 310 CMR 19.300-303.

<i>Name of the Generation Unit</i>

SECTION IV. CERTIFICATION

Provide documentation that demonstrates the authority of the Authorized Representative indicated in section I.3 to certify and submit this Application. The documentation must follow the appropriate instructions below.

Corporations

*If the Owner or Operator is a corporation, the Authorized Representative shall provide **either**:*

- a. a board of directors vote granting authority to the Authorized Representative to execute the Statement of Qualification Application; **or***
- b. a certification from the Corporate Clerk or Secretary of the Corporation that the Authorized Representative is authorized to execute the Statement of Qualification Application, or is otherwise authorized to legally bind the corporation in like matters.*

Individuals

*If the Owner or Operator is a sole proprietorship or an individual, that proprietor or individual shall complete and attach APPENDIX G **or** a similar form of certification from the Owner or Operator, duly notarized, that certifies that the Authorized Representative has authority to execute the Statement of Qualification Application.*

Other Non-Corporate Entities

(Proprietorships, Partnerships, Cooperatives, Government Agencies, etc.)

*If the Owner or Operator is not an individual or a corporation, it shall complete and attach APPENDIX H **or** execute a comparable, duly notarized, resolution of authorization indicating that the Authorized Representative has authority to execute the Statement of Qualification Application or otherwise to legally bind the non-corporate entity in like matters.*

I hereby certify, under pains and penalties of perjury, that I have personally examined and am familiar with the information submitted herein, and, based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties, both civil and criminal, for submitting false information, including possible fines and de-certification of a Statement of Qualification. My signature below certifies all information submitted in this Statement of Qualification Application. The Statement of Qualification Application includes the application form and all required appendices and attachments.

Signature of Authorized Representative

Date

Name of the Generation Unit

Appendix A

Capacity Obligation

1. The following two questions must be answered by ALL applicants:

- a.** Is the amount of the total generation capacity of the Generation Unit for which this Application requests qualification as RPS Class II Renewable Generation already participating in the ISO New England Forward Capacity Market?

- ☐ Yes, _____ MW are committed to the ISO New England Forward Capacity Market (FCM) by means of the following action [*identify the ISO-NE Forward Capacity Auction for which a show of intent or bid was submitted*]: _____, with the following result: _____
- ☐ No – *State your intentions re the FCM.* _____

- b.** Is any amount of the total generation capacity of the Generation Unit for which this Application requests qualification as RPS Class II Renewable Generation already committed to any Control Area other than the ISO-NE Control Area?

- ☐ Yes, _____ MW are already committed to the _____ Control Area, as of [*date*] _____ and expiring as of [*date*] _____.
- ☐ No

NOTE the following provision of the RPS Class II Regulation at 225 CMR 15.05(1)(e)(1) that applies to all Generation Units for which application is made to qualify as RPS Class II Renewable Generation Units. This provision will be reflected in all new RPS Class II Statements of Qualification.

“The amount of the generation capacity of the Generation Unit whose electrical energy output is claimed as RPS Class II Renewable Generation shall not be committed to any Control Area other than the ISO-NE Control Area unless such Generation Unit has entered into a Capacity Obligation in another Control Area before the start of the first available compliance year for the ISO-NE Forward Capacity Market, in which case this subsection shall apply upon the expiration of that Capacity Obligation.”

2. NOTE the following, second provision of the RPS Class II Regulation at 225 CMR 15.05(1)(e)(2) that applies only to Non-intermittent Generation Units, which are listed in the two bullets below. This provision will be reflected in all new Statements of Qualification for such Units:

- *all Biomass, Landfill methane, Fuel cell, Geothermal Units, and Waste to Energy, which are Units whose electrical energy output the DOER assumes to be Non-intermittent; and*
- *any Unit generating electricity from Marine kinetic, freshwater Hydrokinetic, Ocean thermal and Hydroelectric energy whose Capacity Factor is calculated at 50% or greater.*

“The Generation Unit Owner or Operator of a Non-intermittent Generation Unit shall commit to the ISO-NE Control Area the amount of the capacity of that Unit claimed as RPS Class II Renewable Generation by submitting by the applicable deadline a show of intent for the ISO-NE Forward Capacity Auction that is the earliest available for the Unit after the Owner or Operator has submitted a Statement of Qualification Application. The Owner or Operator of such unit must also clear the Forward Capacity Auction for which it has qualified, even if it must participate as a price taker.”

This second provision does NOT apply to those Generation Units that DOER has determined to be intermittent. Therefore, the second provision will NOT be reflected in Statements of Qualification for intermittent Units.

Name of the Generation Unit

Appendix B

Co-firing and Blended Fuels Waiver

Read all four sections of this Appendix and attach all required information.

- 1. NOTE** that the Owner or Operator of the Generation Unit, or a duly-authorized agent thereof, is obligated to report to the NEPOOL GIS Administrator the quantity of electrical energy output attributable to each fuel each month pursuant to the NEPOOL GIS Operating Rules.

2. Fuel Supply Plan

ATTACH to this Application a Fuel Supply Plan that includes the following information:

- a. Name of each and every fuel likely to be co-fired or used in a fuel blend;*
- b. Likely proportion of each fuel in the mix or in the fuel blend;*
- c. Likely net heat content of each, including any expected seasonal variations, such as those due to moisture content or wood species; and*
- d. Seasonal variation, if any, of the fuel mix or blend.*

If the Generation Unit is not yet in operation, use your current assumptions about the fuel mix or blend and its characteristics.

3. Calculation of the RPS Class II Qualified portion of electrical energy output

For a Generation Unit that co-fires an Eligible RPS Class II Renewable Fuel with an ineligible fuel (including all fossil fuels), whether as a mixture of solid fuels or a blend of liquid or of gaseous fuels, only the portion of the total electrical energy output attributable to the Eligible RPS Class II Renewable Fuel will qualify as RPS Class II Renewable Generation in a given time period. In order to determine what that portion will be, ATTACH the following with this Application:

- a. Data and calculations documenting, pursuant to 225 CMR 15.05(3)(a), the ratio of the net heat content of the Eligible Renewable Fuel consumed to the net heat content of all fuel consumed during an average month. If you anticipate substantial seasonal differences, then show this data for an average month in different seasons.*
- b. A description of the procedures that are (or will be) used by the Owner or Operator to obtain the data listed in bullet "a" above. Please also include a description of all quality control measures used to verify the uniformity of the heat content of the Eligible RPS Class II Renewable Fuel or to account for variations in the heat content of the Eligible RPS Class II Renewable Fuel used in the Generation Unit. If the Generation Unit is not yet in operation, use your current assumptions about the fuel mix or blend and its characteristics. (The Unit will not be held to these numbers in its actual operations; rather, this information is to demonstrate the applicant's methodology.)*

- 4. If the Generation Unit is or will be using an Eligible Biomass Fuel and is not located in Massachusetts, ATTACH documentation to demonstrate to the satisfaction of DOER that the emissions are or will be consistent with the rates prescribed by the MassDEP for comparably fueled Generation Units located in Massachusetts. Documentation may refer to the attached Valid Air Permit, or it may consist of vendor guarantees or a detailed engineering analysis.**

NOTE that (pursuant to 225 CMR 15.05(3)(c)), if the Generation Unit is using an Eligible Biomass Fuel and is not located in Massachusetts, the Generation Unit Owner or Operator will, if required by the Department, retain at its own expense a third-party consultant deemed satisfactory to the Department, to provide the Department and the MassDEP with assistance in the determination as to whether the emission rates for the entire Generation Unit either are or will be consistent with the rates prescribed by the MassDEP for comparably fueled Generation Units located in Massachusetts

Name of the Generation Unit

APPENDIX C

SPECIAL PROVISIONS FOR A GENERATION UNIT LOCATED IN A CONTROL AREA ADJACENT TO THE ISO-NE CONTROL AREA

NOTE all provisions of the RPS Class II Regulation in 225 CMR 15.05(5), including the following:

“(e) The quantity of electrical energy output from an RPS Class II Renewable Generation Unit outside the ISO-NE Control Area that can qualify as RPS Class II Renewable Generation at the NEPOOL GIS during each hour is limited to the lesser of the RPS Class II Renewable Generation actually produced by the Unit or the RPS Class II Renewable Generation actually scheduled and delivered into the ISO-NE Control Area.”

Read and complete all four sections of this Appendix.

1. Documentation of Import Legal Obligations

a. Check one of the following two boxes:

- ☐ I have provided as an attachment, the documentation described below.
- ☐ I will provide, as soon as it becomes available, the documentation described below.

Documentation, satisfactory to DOER, of a contract or other legally enforceable obligation(s) (“Legal Obligation”) that is executed between the Generation Unit Owner or Operator and an electrical energy purchaser located in the ISO-NE Control Area for delivery of the Unit's electrical energy to the ISO-NE Control Area. Such documentation shall include provisions for obtaining associated transmission rights for delivery of the Unit's electrical energy from the Unit to the ISO-NE Control Area.

b. Check the following box:

- ☐ The Generation Unit Owner or Operator shall pay for evaluation and verification of the provisions of the above-described documentation by an independent party that is engaged by or approved by the Department.

2. Quarterly Import Documentation

Check the following box:

- ☐ The Generation Unit Owner or Operator shall provide to the NEPOOL GIS administrator each calendar quarter the following documentation, satisfactory to DOER, that:
- the electrical energy delivered pursuant to the Legal Obligation was settled in the ISO-NE Settlement Market System;
 - the Generation Unit produced, during each hour of the applicable month, the amount of MWhs claimed, as verified by the NEPOOL GIS administrator; if the originating Control Area employs a Generation Information System that is comparable to the NEPOOL GIS, information from that system may be used to support such documentation;
 - the electrical energy delivered under the Legal Obligation received a NERC Tag confirming transmission from the adjacent Control Area to the ISO-NE Control Area; and
 - the RPS Class I Renewable Generation Attributes have not been and nor will be, sold, retired, claimed, or represented as part of Energy sold elsewhere or used to satisfy obligations in another jurisdiction, using the “Imported Unit Energy Seller Certification” form set forth in the Appendix 2.7A of the NEPOOL GIS Operating Rules, as required in Rule 2.7(c)(z) of the NEPOOL GIS Operating Rules or any successor rule.

<i>Name of the Generation Unit</i>

3. Annual Certification

Check the following box:

- ☐ I affirm that the Generation Unit Owner or Operator shall provide to DOER by July 1st of each year the following certification:³

I hereby certify that I have not otherwise sold, retired, claimed, used or represented as part of electrical energy output or sales, or used to satisfy obligations, in jurisdictions other than Massachusetts, the RPS Class II Renewable Generation Attributes associated with the electrical energy output during the year _____ of the Generation Unit named _____ that I transferred to the electrical energy purchaser named _____ that is located in the ISO-NE Control Area.

4. Attestation

Check the following box:

- ☐ I affirm that the Generation Unit Owner or Operator shall provide to DOER an attestation in a form to be provided by DOER that it will not itself or through any affiliate or other contracted party, engage in the process of importing RPS Class II Renewable Generation into the ISO-NE Control Area for the creation of RPS Class II Renewable GIS Certificates, and exporting that energy or a similar quantity of other energy out of the ISO-NE Control Area during the same hour.

³ This certification does not hold the Generation Unit Owner, Operator, or Authorized Agent liable if the entity in the ISO New England Control Area sells, retires, claims, uses or represents as part of electrical energy output or sales, or uses to satisfy obligations, in jurisdictions other than Massachusetts, these RPS Class I Renewable Generation Attributes. Retail Electricity Suppliers will sign their own, comparable certifications when they submit their Annual RPS Compliance Filings to DOER.

Name of the Generation Unit

APPENDIX D

SPECIAL PROVISIONS FOR GENERATION UNITS WHOSE OUTPUT IS *NOT* MONITORED & REPORTED BY ISO-NE, INCLUDING ALL AGGREGATIONS, BEHIND-THE-METER & OFF-GRID UNITS, AND SOME OTHERS

Applicants for Aggregations must complete both sections of this Appendix.

*Applicants for **other** Units whose output is not monitored and reported to the NEPOOL GIS by ISO-New England must complete only the second section, pursuant to 225 CMR 15.05(1)(c).*

1. Aggregation information and acknowledgements

*Acknowledge, by checking every one of the boxes below, that this Application for an **Aggregation** of Generation Units that are located behind the customer meter or that are Off-grid Generation Units, each of which could independently meet the relevant requirements of 225 CMR 15.05, is eligible to receive a single Statement of Qualification and to be treated as a single Qualified Renewable Generation Unit, as provided in the RPS Class II provisions in 225 CMR 15.05(6). In addition, enter the Authorized Agent's name where indicated, and ATTACH any information required.*

- ☐ Each Generation Unit in the Aggregation does or will use the same fuel, energy resource or technology type as all other Units in the Aggregation, which is the one indicated in the body of this Application.

ATTACH a list of all Units in the Aggregation, and for each Unit, provide the name of the Owner, the street address, the Commercial Operation Date, and the nameplate capacity (in either kW or MW, as appropriate).

- ☐ Each of the Owners or Operators of Generation Units within the Aggregation has or will enter into a written agreement with a person or entity that serves as the Authorized Agent for the Aggregation in all dealings with the Department and with the NEPOOL GIS, and such agreement must include procedures by which the electrical energy output of each Unit shall be monitored and reported to the NEPOOL GIS by a Third Party Meter Reader, pursuant to the provisions in 225 CMR 15.05(1)(c) and/or 15.05(6)(d).

ATTACH a copy of the agreement that satisfies the foregoing requirements and that authorizes the Authorized Agent to act on behalf of the Owner of each Unit, as well as a copy of the signed signature page for every such agreement.

- ☐ I, _____, the Authorized Agent of the Aggregation shall provide to the Department updates at appropriate intervals, but, at a minimum, an update due at the Department no later than June 1 of each year. Such updates shall include the names, locations, and nameplate capacities (DC if for PV) of all Units in the Aggregation, including notice of any additions, deletions, or capacity changes from prior lists.

- ☐ I, _____, the Authorized Agent of the Aggregation have established, or will establish, and will maintain a Generation Asset account at the NEPOOL GIS under the NEPOOL GIS Operating Rules, including all provisions for Non-NEPOOL Generator Representatives, as that term is defined in 2.1(a)(ii) or 2.1(a)(vi) of those Rules, or any successor rules.

- ☐ I, _____, the Authorized Agent of the Aggregation shall provide to the Department by July 1st of each year the following certification:

I hereby certify that I have not otherwise sold, retired, claimed, used or represented as part of electrical energy output or sales, or used to satisfy obligations in jurisdictions other than

<i>Name of the Generation Unit</i>

Massachusetts, the RPS Class II Renewable Generation Attributes associated with the electrical energy output of the Aggregation during the year _____.

- ☐ The electrical energy output of each of the Generation Units in the Aggregation will be individually monitored and recorded, and the aggregated totals for the Aggregation will be reported to the NEPOOL GIS, by an independent Third Party Meter Reader as defined in Rule 2.5(j) of the NEPOOL GIS Operating Rules, or any successor rule, and approved by the Department.

2. Independent, Third Party Meter Readers

*This section **must** be completed by any Applicant whose Unit's electrical energy output is not monitored and reported to the NEPOOL GIS by ISO New England, including but not limited to Aggregations, Units located behind a retail electricity customer's meter, and Off-grid Units.*

a. *Provide the Name and contact information of the Third Party Meter Reader:* _____

b. *Provide in an ATTACHMENT the following information:*

- i. Name, contact information, and qualifications of the Third Party Meter Reader. Qualifications shall include any information the Applicant believes will assist the Department in determining that the Third Party Meter Reader will accurately and efficiently carry out its duties. After receipt of the application, the Department may require additional evidence of qualifications.
- ii. A declaration of any and all business or financial relations between Aggregation Authorized Agent (or the Applicant) and the Third Party Meter Reader, which the Department will use to evaluate the independence of the Third Party Meter Reader.⁴
- iii. A statement indicating under what circumstances the Third Party Meter Reader would not be considered sufficiently independent of an individual Generation Unit, and that either that any Generation Unit not meeting this independence test would not be allowed to participate in the Aggregation (in the case of an Aggregation) or that an alternate Third Party Meter Reader acceptable to the Department would be engaged for such Unit;
- iv. A description of how the Third Party Meter Reader will be compensated for its services by the Aggregator (or the Applicant). In no instances will an Aggregation (or the Generation Unit) be qualified for RPS Class II in which the Third Party Meter Reader is compensated in a manner linked to the number of NEPOOL GIS Certificates created by the Aggregation (or the Generation Unit); and
- v. A confirmation and a description of how frequently – but no less than quarterly for Aggregations and no less than annually for non-aggregated Generation Units – the Third Party Meter Reader will directly enter into the NEPOOL GIS the quantity of energy production in the applicable time period from the Aggregation (or the Generation Unit). The entry of generation data by the Third Party Meter Reader must be through an interface designated for this purpose by the NEPOOL GIS and in accordance with NEPOOL GIS Operating Rules applicable to Third-Party Meter Readers, and to which the Aggregation or the non-aggregated Generation Unit Owner shall not have access.⁵

⁴ Reasons for ruling that a Third Party Meter Reader is not sufficiently independent include, but are not limited to: i) If one entity owns, directly or indirectly, or if a natural person so owns, 10% or more of the voting stock or other equity interest in the other entity; ii) If 10% or more of the voting stock or other equity interests in both entities are owned, directly or indirectly, by the same entity or a natural person; or iii) If one entity is a natural person, and such entity or a member of such entity's immediate family is an officer, director, partner, employee or representative of the other entity.

⁵ Such generation data shall not include any generation data from previous time periods, except as provided as follows. Output of less than one MWh by any single Generation Unit within the aggregation may be applied to the entire aggregation's generation and generation of the aggregation less than one full MWh may be applied to the subsequent quarter in accordance with NEPOOL GIS Operating Rules.

Name of the Generation Unit

APPENDIX E
CERTIFICATION OF THE AUTHORIZED REPRESENTATIVE
WHEN THE OWNER OR OPERATOR IS AN INDIVIDUAL

I, _____, as Owner or Operator of the Generation Unit
named in the Statement of Qualification Application to which this Certification is appended,
under the pains and penalties of perjury, hereby certify that
_____ is authorized to execute said Application.

[signature] [date]

[title]

[TO BE COMPLETED BY NOTARY]

I, _____
as a notary public, certify that I witnessed the signature of the above named
_____, and that said individual verified
his or her identity to me on this date: _____, 20____.

[signature]

My commission expires on: _____

NOTARY SEAL HERE:

Name of the Generation Unit

APPENDIX F
CERTIFICATION OF THE AUTHORIZED REPRESENTATIVE
WHEN THE OWNER OR OPERATOR IS A NON-CORPORATE ENTITY
OTHER THAN AN INDIVIDUAL

RESOLUTION OF AUTHORIZATION

Resolved: that _____, named as
Authorized Representative in the Statement of Qualification Application to which this Certification
is appended, is authorized to execute said Application on behalf of
_____, the Owner or Operator of the
Generation Unit named in said Application.

[signature]

[date]

[title]

[TO BE COMPLETED BY NOTARY]

I, _____ as a notary public, certify that I
witnessed the signature of the above named _____, and
that said person stated that he or she is authorized to execute this resolution, and that the individual
verified his or her identity to me, on this date: _____, 20____.

[signature]

My commission expires on: _____

NOTARY SEAL HERE: